



TRANSMITTAL

Applicant : Zhu, et al.
App. No. : 09/318,073
Filed : May 25, 1999
For : THIN FILM MEMORY
DEVICE HAVING LOCAL
AND EXTERNAL
MAGNETIC SHIELDING
Examiner : Andujar, Leonardo
Art Unit : 2826

CERTIFICATE OF MAILING

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

March 24, 2004

(Date)

Michael S. Okamoto, Reg. No. 47,831

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing in the above-identified application are the following enclosures:

- (X) A Supplemental Information Disclosure Statement; PTO-1449 form listing 14 references which are enclosed.
- (X) A check in the amount of \$180 for IDS fee is enclosed.
- (X) Return prepaid postcard.
- (X) Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Michael S. Okamoto
Registration No. 47,831
Attorney of Record
Customer No. 20,995
(310) 551-3450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Applicant : Zhu, et al.
App. No. : 09/318,073
Filed : May 25, 1999
For : THIN FILM MEMORY DEVICE
HAVING LOCAL AND EXTERNAL
MAGNETIC SHIELDING
Examiner : Andujar, Leonardo
Group Art Unit : 2826

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing 14 references that are also enclosed. Identification herein is not an admission that any of the foregoing references are prior art to the above-captioned application.

This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(c)(2) before the mailing date of a final action and before the mailing of a Notice of Allowance. This Statement is accompanied by the fees set forth in 37 C.F.R. § 1.17(p). The Commissioner is hereby authorized to charge any additional fees which may be required or to credit any overpayment to Account No. 11-1410.

Identification herein is not an admission that any of the foregoing references are prior art to the above-captioned application.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: March 24, 2004

By: Michael Okamoto

Michael S. Okamoto
Registration No. 47,831
Attorney of Record
Customer No. 20,995
(310) 551-3450

03/30/2004 FFAHAEIA 00000009 09318073

01 FC:1806

180.00 OP

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
MICRON.196CP1APPLICATION NO.
09/318,073INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

APPLICANT
Zhu, et al.FILING DATE
May 25, 1999GROUP
2826

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	5,661,062	8/26/97	Prinz			
	5,861,328	1/19/99	Tehrani et al.			
	5,902,690	5/11/99	Tracy et al.			
	5,940,319	8/17/99	Durlam et al.			Aug. 31, 1998
	5,956,267	9/21/99	Hurst et al.			Dec. 18, 1997
	6,048,739	4/11/00	Hurst et al.			Dec. 18, 1997
	6,165,803	12/26/00	Chen et al.			May 17, 1999
	6,510,078 B2	01/21/03	Schwarzl			
	6,580,636 B2	06/17/03	Thewes et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	JP 2000 090658 A	3/31/00	Japan (Abstract)			X	

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
	Prinz, "Magnetoelectronics", Science Magazine, Vol. 282, Nov. 27, 1998.
	Wang et al., Feasibility of Ultra-Dense Spin-Tunneling Random Access Memory, IEEE Transactions on Magnetics, Vol. 33, No. 6, Nov. 1997.
	Lee, Chih-Ling, "A Study of Magnetoresistance Random-Access Memory," date unknown
	Kaakani, H. "NON-VOLATILE MEMORY (MRAM) ANXXX," [online], Honeywell, March 1999 [retrieved on November 19, 2001]. Retrieved from the Internet: <URL: www.ssec.honeywell.com/avionics/h_gmr.pdf>

L:\DOCS\MSO\MSO-5499.DOC
032304

EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	